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ABSTRACT OF THE DISCLOSURE

A physiologically active polypeptide derived from human brain and a DNA fragment comprising the base sequence encoding the polypeptide are disclosed. The polypeptide possesses excellent smooth muscle relaxation activity, diuretic or natriuretic activity, and vasodepressor activity, and is thus useful as a medicine for curing circulation diseases, e.g. cardiac edema, nephric edema, hepatic edema, pulmonary edema, hypertension, congestive heart failure, and acute and chronic renal failure.